



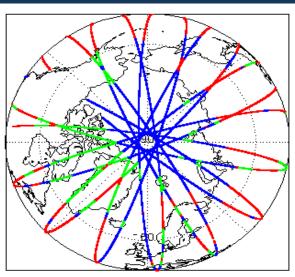
1. Overview

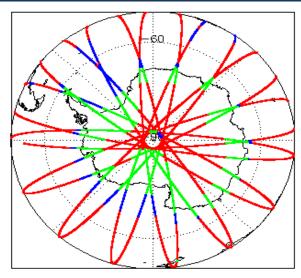
Report Production:	26-Mar-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

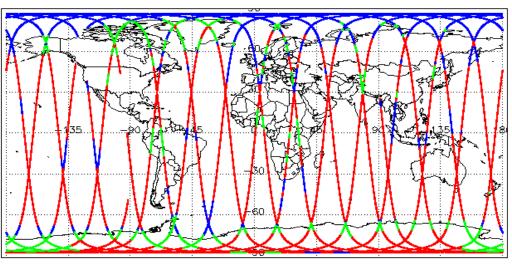
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

Mission / Instrument News		
20-Mar-2018	None	
21-Mar-2018	None	
22-Mar-2018	Nothing planned	

2. Global Coverage









3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

0

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

4.3 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180321T102034_20180321T102517_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180321T202531_20180321T202651_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180321T220459_20180321T222542_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T001623_20180321T001811_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T033501_20180321T033617_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T041320_20180321T041405_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T073145_20180321T073407_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T090912_20180321T091326_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T091405_20180321T091524_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T104952_20180321T105417_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T213315_20180321T213927_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180321T232544_20180321T232710_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180321T005844_20180321T010255_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180321T104820_20180321T104858_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180321T123824_20180321T124051_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180321T190347_20180321T190505_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180321T223854_20180321T223956_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

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5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180321T102034_20180321T102517_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected

Comparison Com	Number of products with errors: 85		
Col. Col. 12, Dec. 10, Col. 12, 20182017110420, 2018217110412, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 20182017110420, 201820171042	Product	Test Failed	Description The Ocean Range Averaging Status Flag has been set for one or more
COUNT SELECTION 2. 20100021170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 2010022170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 201002170122, 2010022170122, 2010021			
Deem Require Averaging States Co. CHE, DRI COMP J. 201000211100222, 20100211002200, CODE CO. CHE, DRI COMP J. 201000211100222, 20100211002200, CODE CO. CHE, DRI COMP J. 201000211100222, 20100211002200, CODE CO. CHE, DRI COMP J. 201000211100222, 20100221100200, CODE CO. CHE, DRI COMP J. 201000211100222, 20100221100200, CODE CO. CHE, DRI COMP J. 201000211100220, 20100221100200, CODE CO. CHE, DRI COMP J. 20100021100200, 20100221100200, CODE CO. CHE, DRI COMP J. 20100021100200, CODE CO. CHE, DRI COMP J. 20100021100000, CODE CO. CHE, DRI COMP J. 201000211100000, CODE CO. CHE, DRI COMP J. 20100021100000, CODE CO. CHE, DRI COMP J. 20100021100000, CODE CO. CHE, DRI COMP J. 20100001100000, CODE CO.			records.
COURT LIFE COUNTY DE COUNT			records.
Cortes, Billing Control 2, political principal of principal principal of principal principal of principal			records.
COUNTLINGUISTAL CONTROLOGY CONTROLOGY COUNTS			records.
Co. OFF., SRI, OFF. 2, 2010/2017/1019/2, 2010/2017/1019/2, CO. Ocean Flance, whereapt in State is Co. OFF., SRI, OFF. 2, 2010/21/2019/2017/2019/2019/2017/2019/2019/2017/2019/2019/2017/2019/2019/2019/2017/2019/2019/2019/2019/2019/2019/2019/2019	CS_OFFL_SIR_IOPM_2_20180321T015002_20180321T015420_C001	Ice Range Averaging Status	records.
Co. OFFL. SRI, JOHA 2, 20180221T00304, 20180221T003005, COST G. OFFL. SRI, JOHA 2, 20180221T003014, 20180221T003005, COST G. OFFL. SRI, JOHA 2, 20180221T003017, 20180221T003005, COST COST, SRI, JOHA 2, 20180221T003017, 20180221T003005, COST COST, SRI, JOHA 2, 20180221T003007, 20180221T003013, COST COST, SRI, JOHA 2, 20180221T003012, 20180221T003013, COST COST, SRI, JOHA 2, 20180221T003012, 20180221T003013, COST COST, SRI, JOHA 2, 20180221T00310, 20180221T003013, COST COST, SRI, JOHA 2, 20180221T003012, 20180221T003014, COST COST, SRI, JOHA 2, 20180221T003012, 20180221T003016, COST COST, SRI, JOHA 2, 20180221T0030	CS_OFFL_SIR_IOPM_2_20180321T015721_20180321T022735_C001	Ocean Range Averaging Status	records.
Co.PH., SR. (DML 2. 2018021103026) COST Co.PH., SR. (DML 2. 2018021103026) COST Co.PH., SR. (DML 2. 2018021103027) COST Co.PH., SR. (DML 2. 2018021103020) COST Co.PH., SR. (DML 2. 2018021103027) COST Co.PH., SR. (DML 2. 2018021110302) COST Co.PH., SR. (DML 2. 2018021110302) COST Co.PH., SR. (DML 2. 2018021110302) COST Co.PH., SR. (DML 2. 20180	CS_OFFL_SIR_IOPM_2_20180321T025048_20180321T030615_C001	Ocean Range Averaging Status	records.
Co.PTF_SIL_OFM_2_260021T00412_018021T00413_CO.D1 Co.PTF_SIL_OFM_2_260021T00412_018021T00413_CO.D1 Co.PTF_SIL_OFM_2_260021T00412_018021T00403_CO.D10021T00413	CS_OFFL_SIR_IOPM_2_20180321T031146_20180321T032341_C001	Ocean Range Averaging Status	records.
Count Figure (Principle) (Prin	CS_OFFL_SIR_IOPM_2_20180321T032914_20180321T033500_C001	Ice Range Averaging Status	records.
Co. CPFL_SIN_CHAN_2_20100021T003102_010031T003102_000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180321T033617_20180321T034242_C001	Ocean Range Averaging Status	records.
South Francy Averaging States South Francy Averaging States	CS_OFFL_SIR_IOPM_2_20180321T041405_20180321T041453_C001	Ocean Range Averaging Status	records.
CS_OFFL_SH_QMPL_2.0180321109074_2018031109010_0000 CS_OFFL_SH_QMPL_2.0180321109074_2018031109010_0000 CS_OFFL_SH_QMPL_2.0180321109074_20180321109010_0000 CS_OFFL_SH_QMPL_2.0180321109074_20180321109010_0000 CS_OFFL_SH_QMPL_2.0180321109074_20180321109010_0000 CS_OFFL_SH_QMPL_2.0180321109074_20180321109010_0000 CS_OFFL_SH_QMPL_2.0180321109074_20180321109010_0000 CS_OFFL_SH_QMPL_2.0180321109074_20180321109010_0000 CS_OFFL_SH_QMPL_2.0180321109074_20180321109010_0000 CS_OFFL_SH_QMPL_2.01803211090074_20180321109010_0000 CS_OFFL_SH_QMPL_2.01803211090074_20180321109010_0000 CS_OFFL_SH_QMPL_2.01803211090074_20180321109010_0000 CS_OFFL_SH_QMPL_2.01803211090074_201803211090070_0000 CS_OFFL_SH_QMPL_2.01803211090074_201803211090070_0000 CS_OFFL_SH_QMPL_2.01803211090074_201803211090070_0000 CS_OFFL_SH_QMPL_2.01803211090074_201803211090070_0000 CS_OFFL_SH_QMPL_2.01803211090074_201803211090070_0000 CS_OFFL_SH_QMPL_2.01803211090074_201803211090000_0000 CS_OFFL_SH_QMPL_2.01803211090074_201800001100000_0000 CS_OFFL_SH_QMPL_2.01803211090074_201800001100000_0000 CS_OFFL_SH_QMPL_2.01803211090074_2018000011000000_0000 CS_OFFL_SH_QMPL_2.01803211000000_0000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180321T042803_20180321T050255_C001	Ocean Range Averaging Status	records.
SCOPEL_SIR_LOPM_2_201800211706402_2018002117064018_0.001 CS_OPFI_SIR_LOPM_2_20180021706402_201800217064018_0.001 CS_OPFI_SIR_LOPM_2_20180021706402_201800217064018_0.001 CS_OPFI_SIR_LOPM_2_201800217066402_201800217066308_0.001 CS_OPFI_SIR_LOPM_2_201800217066401_201800217060308_0.001 CS_OPFI_SIR_LOPM_2_201800217066401_2018002170000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180321T050819_20180321T051331_C001	Ice Range Averaging Status	records.
Copper Service Code (Code Code Code Code Code Code Code Code	CS_OFFL_SIR_IOPM_2_20180321T051512_20180321T053446_C001	Ocean Range Averaging Status	records.
Ocean Range Averaging Status File DoRange Averaging Status Flag has been set for one or more records. S. OFFL, SIR, JOPM 2_20180321708492_201803217073026_C001 CS. OFFL, SIR, JOPM 2_201803217073492_201803217073026_C001 CS. OFFL, SIR, JOPM 2_201803217073492_201803217073026_C001 CS. OFFL, SIR, JOPM 2_201803217073492_201803217002170001 CS. OFFL, SIR, JOPM 2_201803217073492_201803217002170001 CS. OFFL, SIR, JOPM 2_201803217073492_201803217002170001 CS. OFFL, SIR, JOPM 2_201803217073492_20180321700201 CS. OFFL, SIR, JOPM 2_201803217003492_201803217000020_C001 CS. OFFL, SIR, JOPM 2_201803217003492_201803217000000 CS. OFFL, SIR, JOPM 2_201803217003492_201803217000000_C001 CS. OFFL, SIR, JOPM 2_201803217003492_201803217004000_C001 CS. OFFL, SIR, JOPM 2_201803217003492_201803217004000_C001 CS. OFFL, SIR, JOPM 2_201803217003492_2018032170040000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180321T060714_20180321T063516_C001	Ocean Range Averaging Status	records.
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SO, PFT_SR_JOPM_2_2016032170308_2016032170305_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status Flag has been set for one or more vaccos. SOFT_SR_JOPM_2_20160321708328_20160321706503_C001 Ocean Range Averaging Status Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more vaccos. SOFT_SR_JOPM_2_20160321708328_20160321706502_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more vaccos. SOFT_SR_JOPM_2_20160321706102_01603217061000_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status Flag has been set for one or more vaccos. The Ocean Range Averaging Status Flag has been set for one or more vaccos. SOFT_SR_JOPM_2_201603217100102_01603217100165_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag h	CS_OFFL_SIR_IOPM_2_20180321T064628_20180321T064818_C001	Ice Range Averaging Status	records.
Coen Range Averaging Status Fing Norm 2_201603211073052_201603211073105_2001 Ocean Range Averaging Status Fing Norm 2_201603211073052_201603211073105_2001 Ocean Range Averaging Status Fing Range Ave	CS_OFFL_SIR_IOPM_2_20180321T064825_20180321T065238_C001	Ice Range Averaging Status	records.
Coes Range Averaging Status Filey DeML 2 201803211705422 201803211080221 20180321 20	CS_OFFL_SIR_IOPM_2_20180321T065441_20180321T073026_C001	Ocean Range Averaging Status	records.
Cocon Range Averaging Status Filip PML 2 201803217108232 20180321708205 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321708218 20180321708205 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321708218 20180321708205 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321708206 20180321709505 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 20180321709506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 201803217100506 COULD Cocon Range Averaging Status Filip Risk JOPM 2 201803217100504 COCON Cocon Range Averaging Status Filip Risk JOPM 2 201803217100504 COCON Cocon Range Averaging Status Filip Risk JOPM 2 201803217100504 COCON C	CS_OFFL_SIR_IOPM_2_20180321T073026_20180321T073105_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_LOPM_2_20180321T006022_0180321T006020_CO01 CS_OFFL_SIR_LOPM_2_20180321T006020_20180321T006002_CO01 CS_OFFL_SIR_LOPM_2_20180321T006020_20180321T006002_CO01 CS_OFFL_SIR_LOPM_2_20180321T006020_20180321T006002_CO01 CS_OFFL_SIR_LOPM_2_20180321T006020_20180321T006002_CO01 CS_OFFL_SIR_LOPM_2_20180321T006020_20180321T006002_CO01 CS_OFFL_SIR_LOPM_2_20180321T006020_20180321T006002_CO01 CS_OFFL_SIR_LOPM_2_20180321T006020_20180321T006002_CO01 CS_OFFL_SIR_LOPM_2_20180321T006020_20180321T006002_CO01 CS_OFFL_SIR_LOPM_2_20180321T006030304_20180321T00616_CO01 CS_OFFL_SIR_LOPM_2_20180321T006030304_20180321T00616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100120_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100120_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100120_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100634_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100634_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100634_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100634_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100634_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100634_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100634_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T100634_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T10064_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T10064_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T10064_20180321T100616_CO01 CS_OFFL_SIR_LOPM_2_20180321T110662_0180321T110616_CO01 CS_OFFL_SIR_LOPM_2_20180321T110662_0180321T110616_CO01 CS_OFFL_SIR_LOPM_2_20180321T110662_0180321T110616_CO01 CS_OFFL_SIR_LOPM_2_20180321T110662_018032T1110616_CO01 CS_OFFL_SIR_LOPM_2_20180321T110666_018032T1110616_CO01 CS_OFFL_SIR_LOPM_2_20180321T110666_018032T111666_0180	CS_OFFL_SIR_IOPM_2_20180321T074847_20180321T080211_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T09322 20180321T090502_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more recor	CS_OFFL_SIR_IOPM_2_20180321T080233_20180321T082026_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T089362_20180321T080606_2001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status F	CS_OFFL_SIR_IOPM_2_20180321T082154_20180321T082717_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T0908062_20180321T0909086_C001 CS_OFFL_SIR_IOPM_2_20180321T0910327_20180321T091404_C001 cs_Range Averaging Status The Cocan Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging S	CS_OFFL_SIR_IOPM_2_20180321T083826_20180321T085053_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T091327_20180321T091404_C001 cc Range Averaging Status The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag has been set for one or more records. The locan Range Averaging Status Flag	CS_OFFL_SIR_IOPM_2_20180321T085218_20180321T090502_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T093046_20180321T096593_C001 CS_OFFL_SIR_IOPM_2_20180321T0963046_20180321T096593_C001 CS_OFFL_SIR_IOPM_2_20180321T00612_02180321T100615_C001 CS_OFFL_SIR_IOPM_2_20180321T100612_02180321T100615_C001 CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100615_C001 CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100615_C001 CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100615_C001 CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100615_C001 CS_OFFL_SIR_IOPM_2_20180321T100652_20180321T100610_C001 CS_OFFL_SIR_IOPM_2_20180321T10458_20180321T100610_C001 CS_OFFL_SIR_IOPM_2_20180321T10458_20180321T100610_C001 CS_OFFL_SIR_IOPM_2_20180321T10458_20180321T104517_C001 CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114528_C001 CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114528_C001 CS_OFFL_SIR_IOPM_2_20180321T114066_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T114606_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T114606_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T113615_C0180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T132652_20180321T1132642_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T132642_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T134064_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T134064_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135688_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135688_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135688_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135688_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135688_C001 CS_OFFL_SIR_IOPM_2_20180321T134364_20180321T135688_C001 CS_OFFL_SIR_IOPM_2_20180321T13658_20180321T135688_C00	CS_OFFL_SIR_IOPM_2_20180321T090602_20180321T090906_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T193053_20180321T190515_C001 CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100615_C001 Ice Range Averaging Status Fine Cords. CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100634_C0180321T100635_C001 Ice Range Averaging Status Ice Range Averaging Status	CS_OFFL_SIR_IOPM_2_20180321T091327_20180321T091404_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T10120_20180321T10015_C001 CS_OFFL_SIR_IOPM_2_20180321T10016045_C001 CS_OFFL_SIR_IOPM_2_20180321T100645_C001 CS_OFFL_SIR_IOPM_2_20180321T100652_20180321T100645_C001 CS_OFFL_SIR_IOPM_2_20180321T101455_20180321T100610_C001 CS_OFFL_SIR_IOPM_2_20180321T101455_20180321T100617_C001 CS_OFFL_SIR_IOPM_2_20180321T10320_20180321T100617_C001 CS_OFFL_SIR_IOPM_2_20180321T10320_20180321T100617_C001 CS_OFFL_SIR_IOPM_2_20180321T10258_20180321T100617_C001 CS_OFFL_SIR_IOPM_2_20180321T110258_20180321T1100617_C001 CS_OFFL_SIR_IOPM_2_20180321T110258_20180321T1100617_C001 CS_OFFL_SIR_IOPM_2_20180321T110258_20180321T1100617_C001 CS_OFFL_SIR_IOPM_2_20180321T11006_20180321T11006_20180321T11006_20180321T1006_	CS_OFFL_SIR_IOPM_2_20180321T093046_20180321T094150_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100645_C001 CS_OFFL_SIR_IOPM_2_20180321T100645_20180321T100610_C001 CS_OFFL_SIR_IOPM_2_20180321T100652_20180321T100610_C001 CS_OFFL_SIR_IOPM_2_20180321T10458_20180321T104517_C001 CS_OFFL_SIR_IOPM_2_20180321T11258_20180321T104517_C001 CS_OFFL_SIR_IOPM_2_20180321T11258_20180321T114588_C001 CS_OFFL_SIR_IOPM_2_20180321T114588_C001 CS_OFFL_SIR_IOPM_2_20180321T114528_C001 CS_OFFL_SIR_IOPM_2_20180321T114528_C001 CS_OFFL_SIR_IOPM_2_20180321T11515_0180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T11515_0180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T11515_0180321T1131812_C001 CS_OFFL_SIR_IOPM_2_20180321T132042_C0180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T13035_20180321T13440_C001 CS_OFFL_SIR_IOPM_2_20180321T13035_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T13035_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T13035_20180321T134301_C001 CCS_OFFL_SIR_IOPM_2_20180321T134301_C001 CCS_OFFL_SIR_IOPM_2_20180321T134301_C001 CCS_OFFL_SIR_IOPM_2_20180321T134301_C001 CCS_OFFL_SIR_IOPM_2_20180321T134301_C001 CCS_OFFL_SIR_IOPM_2_20180321T134301_C001 CCS_OFFL_SIR_IOPM_2_20180321T134301_C001 CCS_OFFL_SIR_IOPM_2_20180321T134301_C001 CCS_OFFL_SIR_IOPM_2_20180321T134301_C001 CCCC_OCCC_COC	CS_OFFL_SIR_IOPM_2_20180321T094353_20180321T095932_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T10053_20180321T10051_C001 CS_OFFL_SIR_IOPM_2_20180321T100552_20180321T101917_C001 CS_OFFL_SIR_IOPM_2_20180321T101455_20180321T101917_C001 CS_OFFL_SIR_IOPM_2_20180321T101455_20180321T104517_C001 CS_OFFL_SIR_IOPM_2_20180321T102540_20180321T104517_C001 CS_OFFL_SIR_IOPM_2_20180321T110258_20180321T113836_C001 CS_OFFL_SIR_IOPM_2_20180321T114258_20180321T114588_C001 CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114588_C001 CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114528_C001 CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114733_C001 CS_OFFL_SIR_IOPM_2_20180321T115115_20180321T121043_C001 CS_OFFL_SIR_IOPM_2_20180321T11515_20180321T121043_C001 CS_OFFL_SIR_IOPM_2_20180321T135208_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T1325208_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T1331812_C001 CS_OFFL_SIR_IOPM_2_20180321T13053_20180321T130442_C001 CS_OFFL_SIR_IOPM_2_20180321T13053_20180321T130052_00180321T130052_00180321T130052_00180321T130052_00180321T130052_00180321T130052_00180321T130505_0001 CS_OFFL_SIR_IOPM_2_20180321T13053_20180321T130582_C001 CS_OFFL_SIR_IOPM_2_20180321T13053_20180321T13056_C001 CS_OFFL_SIR_IOPM_2_20180321T13058_20180321T13056_C001 CS_OFFL_SIR_IOPM_2_20180321T130052_20180321T13056_C001 CS_OFFL_SIR_IOPM_2_20180321T130052_20180321T150556_C001 CS_OFFL_SIR_IOPM_2_20180321T13008_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T150356_C001 CCCORR Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T150356_C001 CCCORR Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180321T150356_20180321T150356_C001 CCCORR Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180321T150356_20180321T	CS_OFFL_SIR_IOPM_2_20180321T100120_20180321T100615_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T100632_20180321T100817_C001 CS_OFFL_SIR_IOPM_2_20180321T103240_20180321T101817_C001 CS_OFFL_SIR_IOPM_2_20180321T103240_20180321T104517_C001 CS_OFFL_SIR_IOPM_2_20180321T112258_20180321T113836_C001 CS_OFFL_SIR_IOPM_2_20180321T114258_20180321T114588_C001 CS_OFFL_SIR_IOPM_2_20180321T11456_20180321T114588_C001 CS_OFFL_SIR_IOPM_2_20180321T11456_20180321T114588_C001 CS_OFFL_SIR_IOPM_2_20180321T11456_20180321T11458_C001 CS_OFFL_SIR_IOPM_2_20180321T115115_20180321T11458_C001 CS_OFFL_SIR_IOPM_2_20180321T1515208_20180321T134312_C001 CS_OFFL_SIR_IOPM_2_20180321T15208_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T132528_20180321T134442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T134442_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T14508_20180321T135528_C001 CS_OFFL_SIR_IOPM_2_20180321T14508_20180321T135528_C001 CS_OFFL_SIR_IOPM_2_20180321T14508_20180321T135528_C001 CS_OFFL_SIR_IOPM_2_20180321T150352_0180321T135528_C001 CS_OFFL_SIR_IOPM_2_20180321T150352_0180321T135528_C001 CS_OFFL_SIR_IOPM_2_20180321T150352_0180321T135528_C001 CS_OFFL_SIR_IOPM_2_20180321T1503536_C001 CS_OFFL_SIR_IOPM_2_20180321T150234_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150234_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150234_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150234_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150234_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150335_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150335_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150335_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150335_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T1503355_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T1503355_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T1503355_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T1503355_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T1503355_20180321T150356_C001 CS_OFFL_SIR_IOP	CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100645_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T103240_20180321T104517_C001 Ocean Range Averaging Status Fecords. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180321T1152082_20180321T31812_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Stat	CS_OFFL_SIR_IOPM_2_20180321T100652_20180321T100810_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T112528_20180321T113836_C001 CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114528_C001 CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114528_C001 CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T11515_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T11515_20180321T121043_C001 CS_OFFL_SIR_IOPM_2_20180321T11515_20180321T121043_C001 CS_OFFL_SIR_IOPM_2_20180321T12528_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T130552_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T13053_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T134305_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T144932_20180321T145544_C001 CS_OFFL_SIR_IOPM_2_20180321T14598_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T14598_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T15204_20180321T15218_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T15218_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T155218_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T155218_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T155218_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T155218_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T155218_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T155218_C001 CCS_OFFL_SIR_IOPM_2_20180321T155235_20180321T155218_C001 CCS_OFFL_SIR_IOPM_2_20180321T155235_20180321T155218_C001 CCS_OFFL_SIR_IOPM_2_20180321T155235_20180321T155218_C001 CCS_OFFL_SIR_IOPM_2_20180321T155235_20180321T155218_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_IOPM_2_20180321T101458_20180321T101917_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114528_C001 CS_OFFL_SIR_IOPM_2_20180321T114606_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T114606_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T115115_20180321T121043_C001 CS_OFFL_SIR_IOPM_2_20180321T125208_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T125208_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T132520_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T13053_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T13053_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T144932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T1450356_C001 CS_OFFL_SIR_IOPM_2_20180321T15204_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T1502554_20180321T150001 COean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180321T103240_20180321T104517_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T114036_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T115_20180321T114723_C001 CS_OFFL_SIR_IOPM_2_20180321T115_20180321T121043_C001 CS_OFFL_SIR_IOPM_2_20180321T125208_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T13401_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T155835_C0180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152355_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152355_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152355_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T154531_C001 CCEAN Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag ha	CS_OFFL_SIR_IOPM_2_20180321T112258_20180321T113836_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T11515_20180321T115142_C001 CS_OFFL_SIR_IOPM_2_20180321T125208_20180321T131812_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T155835_20180321T156351_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T156002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T163409_20180321T1563716_C001 COCean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Rang	CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114528_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T132528_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T13252_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T1563409_20180321T163716_C001 CC_CCAR_Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Stat	CS_OFFL_SIR_IOPM_2_20180321T114606_20180321T114723_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T153354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T156302_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T1560002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CC	CS_OFFL_SIR_IOPM_2_20180321T115115_20180321T121043_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T132053_20180321T134301_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T153409_20180321T163716_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T153409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20	CS_OFFL_SIR_IOPM_2_20180321T125208_20180321T131812_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T163716_C001 CCS_OFFL_SIR_IOPM_2_20180321T153409_20180321T163716_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T163716_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T160002_C001 CCS_OFFL_SIR_IOPM_2_20180321T160002_C001 CCS	CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001 CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T163716_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T163716_C001 CCS_OFFL_SIR_IOPM_2_20180321T163409_20180321T	CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T134301_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T150356_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T163716_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T15024_20180321T15024S_C001 CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T163409_20180321T163716_C001 CS_OFFL_SIR_IOPM_2_20180321T163409_20180321T163716_C	CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T15324_20180321T152216_C001 CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T153316_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154351_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20160321T163035_20160321T160002_C001 CS_OFFL_SIR_IOPM_2_20180321T163409_20180321T163716_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20180321T163409_20180321T163716_C001	Ocean Range Averaging Status	

CS_OFFL_SIR_IOPM_2_20180321T163900_20180321T164425_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T164929_20180321T171232_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T171518_20180321T172409_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T173708_20180321T174018_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T175630_20180321T181614_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T181826_20180321T182323_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T182838_20180321T190212_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T192643_20180321T195100_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T200035_20180321T200227_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T200912_20180321T202527_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T203133_20180321T203955_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T210000_20180321T211531_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T211745_20180321T213232_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T213928_20180321T214140_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T214223_20180321T214641_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T214817_20180321T220320_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T220459_20180321T222542_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T224254_20180321T225240_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T225939_20180321T231454_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T231719_20180321T232544_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T232743_20180321T235048_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T032525_20180321T032914_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T042628_20180321T042802_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T073145_20180321T073407_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T073454_20180321T073613_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T092825_20180321T093045_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T101254_20180321T101427_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T205730_20180321T205920_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T223647_20180321T223853_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T041018_20180321T041107_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T105418_20180321T105856_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T134302_20180321T134834_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T140931_20180321T141823_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T181615_20180321T181711_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T223455_20180321T223647_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T231455_20180321T231527_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180320T234112_20180321T000529_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T000749_20180321T001622_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T001829_20180321T004413_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T011738_20180321T012902_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T013232_20180321T014434_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T015002_20180321T015420_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T015721_20180321T022735_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T025048_20180321T030615_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180321T031146_20180321T032341_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T032914_20180321T033500_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T033617_20180321T034242_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T041405_20180321T041453_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T042803_20180321T050255_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T050819_20180321T051331_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180321T051512_20180321T053446_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T060714_20180321T063516_C001	SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T063527_20180321T064118_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T064628_20180321T064818_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180321T064825_20180321T065238_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T065441_20180321T073026_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T073026_20180321T073105_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T074847_20180321T080211_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T080233_20180321T082026_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180321T082154_20180321T082717_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T082723_20180321T082729_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T083826_20180321T085053_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T085218_20180321T090502_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T090602_20180321T090906_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T091327_20180321T091404_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T093046_20180321T094150_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T094353_20180321T095932_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T100120_20180321T100615_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T100634_20180321T100645_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T100652_20180321T100810_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T101458_20180321T101917_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T103240_20180321T104517_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T112258_20180321T113836_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T114056_20180321T114528_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180321T114606 20180321T114723 C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T115115_20180321T121043_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T125208_20180321T131812_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180321T132052_20180321T132442_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records.
CS_OFFL_SIR_IOPM_2_20180321T133053_20180321T134301_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T134834_20180321T135828_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T142932_20180321T145744_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T145908_20180321T150356_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T150402_20180321T150732_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T151024_20180321T152218_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T152354_20180321T154531_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T155835_20180321T160002_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T163409_20180321T163716_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T163900_20180321T164425_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T164929_20180321T171232_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T171518_20180321T172409_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T173708_20180321T174018_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180321T175630_20180321T181614_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOFM_2_20180321T181826_20180321T182323_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOFM_2_201803211181826_201803211182323_C001 CS_OFFL_SIR_IOFM_2_20180321T182838_20180321T190212_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
00_0i L_0ii_10r im_2_201000211102000_201000211130212_0001	Backscatter Averaging Status	more records.

CS_OFFL_SIR_IOPM_2_20180321T192643_20180321T195100_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T200035_20180321T200227_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T200912_20180321T202527_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T203133_20180321T203955_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T210000_20180321T211531_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T211745_20180321T213232_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T214223_20180321T214641_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T214817_20180321T220320_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T220459_20180321T222542_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T224254_20180321T225240_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T225939_20180321T231454_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T231719_20180321T232544_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180321T232743_20180321T235048_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T032525_20180321T032914_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T042628_20180321T042802_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T073145_20180321T073407_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T073454_20180321T073613_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T092825_20180321T093045_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T101254_20180321T101427_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T205730_20180321T205920_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180321T223647_20180321T223853_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T041018_20180321T041107_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T105418_20180321T105856_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T134302_20180321T134834_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T140931_20180321T141823_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T181615_20180321T181711_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T223455_20180321T223647_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180321T231455_20180321T231527_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

6. IOP L2 Pole-to-Pole Data Quality Check

6.1 P2P Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc).

Number of products with errors:

6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180321T100639_20180321T105618_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the P2P products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

30

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20180320T232143_20180321T001118_C002	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T001118_20180321T010056_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T010056_20180321T015032_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T015032_20180321T024010_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T024010_20180321T032945_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T032945_20180321T041923_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T041923_20180321T050859_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T050859_20180321T055837_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T055837_20180321T064812_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T064812_20180321T073750_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T073750_20180321T082726_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T082726_20180321T091704_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T091704_20180321T100639_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T100639_20180321T105618_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T105618_20180321T114553_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T114553_20180321T123531_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T123531_20180321T132507_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T132507_20180321T141445_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T141445_20180321T150420_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T150420_20180321T155358_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T155358_20180321T164334_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T164334_20180321T173312_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T173312_20180321T182247_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T182247_20180321T191225_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T191225_20180321T200201_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T200201_20180321T205139_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T205139_20180321T214114_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T214114_20180321T223053_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T223053_20180321T232028_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T232028_20180322T001006_C002	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the P2P products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20180320T232143_20180321T001118_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T001118_20180321T010056_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T010056_20180321T015032_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T015032_20180321T024010_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T024010_20180321T032945_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_IOP_220180321T032945_20180321T041923_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T041923_20180321T050859_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T050859_20180321T055837_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T055837_20180321T064812_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T064812_20180321T073750_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T073750_20180321T082726_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T082726_20180321T091704_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T091704_20180321T100639_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T100639_20180321T105618_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T105618_20180321T114553_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T114553_20180321T123531_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T123531_20180321T132507_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T132507_20180321T141445_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T141445_20180321T150420_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T150420_20180321T155358_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T155358_20180321T164334_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T164334_20180321T173312_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T173312_20180321T182247_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T182247_20180321T191225_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T191225_20180321T200201_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T200201_20180321T205139_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T205139_20180321T214114_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T214114_20180321T223053_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T223053_20180321T232028_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180321T232028_20180322T001006_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180321T001118_20180321T010056_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T010056_20180321T015032_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T015032_20180321T024010_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T024010_20180321T032945_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T032945_20180321T041923_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T041923_20180321T050859_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T050859_20180321T055837_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T055837_20180321T064812_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T064812_20180321T073750_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T073750_20180321T082726_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220180321T082726_20180321T091704_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T091704_20180321T100639_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T100639_20180321T105618_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T114553_20180321T123531_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T123531_20180321T132507_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T132507_20180321T141445_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T141445_20180321T150420_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T155358_20180321T164334_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T164334_20180321T173312_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T173312_20180321T182247_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T182247_20180321T191225_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T200201_20180321T205139_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T205139_20180321T214114_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T214114_20180321T223053_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180321T223053_20180321T232028_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180321T232028_20180322T001006_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.